

Early Implementation Program						Homestake DUSEL Initial Suite of Experiments					
	ReEntry					4850L and Above		Deep Homestake & Expanded 4850L			
	CY 2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Common Infrastructure											
Surface and Underground Laboratory Modules and Support Services Surface Support Facilities Phase I Surface Support Facilities Phase II 300L 4850L  7400L + 8000L Ultralow Background Materials Manufacture and Storage Well shielded "Water Room" for Assay and Experiments Sanford Lab and Bio/Geo Lab Low Background Counting	Title, Insurance, Indemnification, Rehab. Plans										
	Rehab Existing Buildings for EIP			Phase I Expansion							
	Rehab U/G			Rehab U/G							
	Rehab U/G			Phase II Expansion							
	Prepare 4850L			Prepare 300L							
				Lab Mod. 1							
				Lab Mod. 2							
				Rehab Deep U/G							
				Deep Lab Module 1							
				Lab Mod. 3							
			Lab Mod. 4								
			300L Outfit / Production								
			300L Operation								
			Deep Lab Module 2 & 3								
4850L Outfit			4850L Operation								
4850L Outfit			4850L Operation								
4850L Outfit			300L Outfit								
4850L Operation			Operation								
Education and Outreach											
Surface											
Sanford Science Education Center											
4850L Outfit			4850L Operation								
			300L Outfit / Production								
			300L Operation								
			7400L Outfit								
Physics											
Dark Matter											
XENON/LUX											
ZEPLIN											
minicLEAN											
DRIFF											
TPC											
SIGN											
SuperCDMS											
Neutrinoless Double Beta Decay											
Majorana											
EXO											
Long Baseline Neutrinos + PDK											
Large Cavity Geotechnical Studies											
Siting											
LAr, HSD & Water Cerenkov Detector											
R&D											
Solar Neutrinos											
LENS R&D											
Other Science											
Nuclear Astrophysics											
Cloud Physics											
Neutron-Antineutron Oscillations											
Long Baseline Gravity Wave											
Joint Physics & Earth Science Research											
Geoneutrinos											
Carbon Sequestration Geothermal Energy											
Diurnal Earth Rotation											
R&D											
4850L Deployment											
4850L and Above Deployment											
Collaboration & Proposal Development											
Potential Vertical Shaft Experiment											
Subsurface Geoscience											
Extant Information and DB											
Database + Core											
Database + Core											
Database + Core											
Database + Core											
Geology and Rock Mechanics											
Inspections											
Surveys, Monitoring, Inspections											
4850L Initial Experiments											
Followed by Large Block Experiments											
Continued and Deep Homestake											
Hydrogeology											
Inspections											
Surveys, Monitoring, Inspections											
4850L Initial Experiments											
Followed by Large Block Experiments											
Continued and Deep Homestake											
Coupled Processes											
Inspections											
Surveys, Monitoring, Inspections											
4850L Initial Experiments											
Followed by Large Block Experiments											
Continued and Deep Homestake											
Subsurface Engineering											
Geotechnical Studies											
Inspections											
Geotechnical Studies, Coring											
4850L and above											
4850L and above											
Continued and Deep Homestake											
Continued and Deep Homestake											
Geobiology											
Geomicrobiology											
Inspections											
4850L Drill Station and Shared U/G Lab											
Deep (8000L) Drill Station											
Geochemistry											
Inspections											
Surveys, Monitoring, Inspections											
4850L and above											
Continued and Deep Homestake											
Biological Effects											
Inspections											
Surveys, Monitoring, Inspections											
4850L and above											
Continued and Deep Homestake											
Ecology & Environmental Studies											
Inspections											
Surveys, Monitoring, Inspections											
4850L and above											
Continued and Deep Homestake											
Perishable Information											
Rock Mechanics/Hydrology/Coupled Processes/Engineering Large Scale Experiments											
Geomicrobiology/ecology/biology/geochemistry Modules and Field Work, in situ work											
Dates are approximate start dates for experiment and program deployments, they are representative of beneficial occupancy or other milestones. The detailed schedule and PAC recommendations should be consulted for specific information.											